

NOV 01 2001

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base-year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, 9th Floor
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the **ONE** choice below that best explains your request to the Board.

☐ 1. Use a recent generation-based study to calculate our current reporting-year generation amount, but not officially change our existing Board-approved base year.

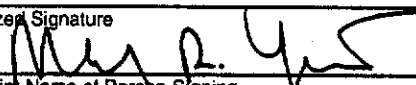
☒ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative.

Section I: Jurisdiction Information and Certification

All respondents must complete this section.

I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:

Jurisdiction Name		County	
City of Duarte		Los Angeles	
Authorized Signature 		Title Assistant City Manager	
Type/Print Name of Person Signing	Date	Phone () Include Area Code	
Michael R. Yelton	22-Oct-01	(626) 357-7931	
Person Completing This Form (please print or type)		Title	
J. Michael Huls, REA		Consultant	
Affiliation:	Huls Environmental Management, LLC		
Mailing Address	City	State	ZIP Code
1600 Huntington Drive	Duarte	CA	91010-2592
E-mail address veltonm@accessduarte.com			

Section II: Information for New Generation-Based Study for Existing or New Base Year

Attach additional sheets if necessary— reference each response to the appropriate cell number (e.g., 4).

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base-year:	2. Proposed new generation-based study year:
1990	1998

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

City performed a waste generation study to identify diversion quantity for residential and non-residential sectors. Disposal tonnage was obtained from DRS and corrected for errors. Disposal tonnage after correction was consistent with prior years.

4. Enter your diversion rates below.

Diversion rate calculated using existing base year	a. -39 %	Diversion rate calculated using new generation-based study	b. 27 %
For existing base year pounds/person/day based on generation	6.3	For new generation based study pounds/person/day based on generation	12
Residential generation 56 %	Non-Residential Generation 44 %	Residential generation 23% %	Non-Residential generation 77% %
Population existing generation-based study	20716	Population new generation-based study	22500

5. If there is an increase between 4a and 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples, e.g. change in jurisdiction's demographics.

The 1990 initial solid waste study found a disposal rate per capita of 5.3 lbs per day. The generation rate in 1990 was 6.3 lbs per capita per day. Based on more recent measures, generally per capita disposal around the state averages about 9 lbs per capita per day, which is consistent with the per capita daily rate found in the new base year study (8.9 lbs per capita per day). The calculated diversion rate using the 1990 study is inaccurate as both disposal and diversion tonnage was omitted due to data collection problems associated with the 1990 study. The most recently developed diversion rate is consistent with a community that has implemented curbside collection of green waste and mixed recyclables.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

The original 1990 base year was inaccurate and under reported both disposal and diversion tonnage. The new base year was developed using an indepth waste auditing procedure among businesses and an accurate tally of haulers' diversion and disposal tonnage, including that provided by the DRS.

7. Disposal Tonnage: (enter values)		6843	29953	36796
		Residential	Non-Residential	Total

Please select the ONE choice below that best explains your disposal data and complete the required tables:

☐ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at <http://www.ciwmmb.ca.gov/gcentral/forms/rynmndrq.doc>)

☒ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at <http://www.ciwmmb.ca.gov/gcentral/forms/rynmndrq.doc>)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. (Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested) Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, (agricultural wastes, inert solids (e.g., concrete, asphalt, dirt, etc.), white goods, and scrap metal) please identify those programs/waste types and fill out section 10. Please mark as Attachment 8 all copies of survey forms.

*Please provide detailed non-Residential waste audit information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) (List operation with multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Residential Activities:					
Source Reduction					
Backyard composting					
Grasscycling		0.0%			
Other Residential source reduction (list each program separately)					
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Subtotal Residential Source Reduction	0	0.0%			
Recycling					
Curbside Recycling	1188	2.4%	Newspaper, glass, aluminum, plastic	Actual weight from Burretec Waste Services records	Weight tickets - Burretec Waste Services office
Buyback centers	246	0.5%	Glass, plastic, aluminum	Actual weight from DOC records	Weight receipts - DOC / City office
Drop-off centers					

Diversion Activity	Actual tons	Relative Percent to Total Generation (A/Total Generation)	Specific material type(s) (List operation with multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwmh.ca.gov/loccentral/danb/locater/reduce.htm					
Other Residential recycling (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Recycling	1434	2.8%			
Composting					
Green waste drop-off					
Curbside green waste	2704	5.4%	Green waste	Actual weight from Burtac Waste Services records	Weight tickets - Burtac Waste Services office
Christmas Tree program					
Other Residential composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Composting	2704	5.4%			
Subtotal Residential Diversion	4138	8.2%			
Non-Residential Activities:					
Source Reduction					
Non-Residential Waste Audits*	1141	2.3%		See Section 9	See Section 9
Other non-Residential source reduction (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Source Reduction	1141	2.3%			

Diversion Activity	Actual tons	Relative Percent to Total Generation (A/Total Generation)	Specific material type(s) (List operation with multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
<p>Please use the Board's program types. The program type glossary is online at: http://www.lacounty.ca.gov/occentral/paste/codes/replica.htm</p>					
Recycling					
Non-Residential Waste Audits*	3374	6.7%		See Section 9	See Section 9
Other non-Residential recycling (list each program separately)					
Recycling by Franchise Hauler	1497	3.0%	Newspaper, glass, aluminum, plastic, and green waste	Actual weight from Burrec Waste Services records	Weight tickets - Burrec Waste Services office
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Recycling	4871	9.7%			
Composting					
Non-Residential Waste Audits*	141	0.3%		See Section 9	See Section 9
Other non-Residential composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	141	0.3%			
Subtotal Non-Residential Diversion Residential/Non-Residential	6153	12.2%			
Diversion Activities					
ADC	245	0.5%	Green waste	Actual weight from landfill records	Weight tickets - Los Angeles County Sanitation District - LACSD office
Sludge					
Scrap metal					
Construction and demolition					
Landfill salvage	3001	6.0%	Inerts	Actual weight or measurement from recycling facilities records	Weight tickets - Los Angeles County Sanitation District - LACSD office and other facilities.
Subtotal Residential/Non-Residential diversion	3246	6.4%			
Total Res/Non-Res Source Reduction Tons	1141	2.3%			
Total Diversion Tons	13537	26.9%			
Total Disposal Tons from Sec. 7	36796	73.1%			
Total Generation Tons (Div+Dis)	50333				
Diversion Rate	27%				

9. Specific Non-Residential Sector Waste Audits-Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.
(Form will perform all addition calculations).

Please provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Type of Non-Residential Generator	Audit Reference Number	Specific/Major Diversion Activities (e.g. paper recycling, grasscycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other
City parks	1	Grasscycling, wood (large limbs) recycling.	540.31	343.44		883.75	1.8%	P
Medical service complex	2	Grass and leaves composting, OCC recycling, OCC and pallets reuse.						O
Stable	3	Horse manure recycling.	74.76	730	17	822.04	1.6%	P
Grocery market	4	Produce organic waste composting. OCC, toner cartridges, plastic bags recycling. Food discards donation. Pallets reuse.		600.96		600.96	1.2%	O
Golf course	5	Grasscycling.	21.84	234.91	124	380.75	0.8%	
Retail trade - general merchandise store	6	OCC recycling. Pallets reuse. Mixed damaged products donation.	372.89			372.89	0.7%	P
Retail trade-general merchandise store	7	OCC, grease, cans & bottles, broken clay pots, broken concrete recycling. Pallets reuse. Green salvage donation.	10.13	312		322.13	0.6%	O
Paper wholesaler	8	Mixed paper & plastic cores recycling. Pallets reuse.	66.18	242.83		309.01	0.6%	O
Manufacturer - industrial machinery	9	Scrap metal & OCC recycling. Pallets reuse.	2	159.28		161.28	0.3%	O
Retail - food store	10	Animal fat & bones recycling/rendering. OCC & mixed grades recycling. Food donation. Pallets reuse.	1.2	137.14		138.34	0.3%	O
			0.9	111.2		112.1	0.2%	
Totals			1090.21	2671.76	141.28	4103.25	8.2%	

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources. (e.g. Cardboard recycling: quantified by monthly tonnage receipts provided by the cdf person at the business)

Please see attachment 9.1

10. For each restricted waste type [i.e., agricultural waste, inert solids, (e.g. concrete, asphalt, dirt, etc.) scrap metals and white goods (PRC Section 41781.2)] and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.

(Note: program name refers to one specific diversion program for that waste type; (e.g., diversion conducted by City Public Waste Dept).)

Restricted Waste Type	Specific Program name	Year started	Tonnage
Inert Solids ▼	Landfill salvage	1992	3001
Scrap Metal ▼	Scrap metal recycling - Waste audit ref. # 16	1992	30
Scrap Metal ▼	Scrap metal recycling - Waste audit ref. # 26	1992	3
Scrap Metal ▼	Scrap metal recycling - Waste audit ref. # 32	1994	1
Scrap Metal ▼	Scrap metal recycling - Waste audit ref. # 38	1994	1
Pull Down for Waste Types ▼			

b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 10b, provide the following documentation: (Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program. Instead please provide date of Board approval of previously submitted information. _____ (Date)

If documentation is not available, go to 10d.

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion [PRC Sec. 41781.2 (c) (1)].
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (Note: this criterion is applicable to the entire jurisdiction, not to individual programs [PRC Sec. 41781.2 (c) (2)]). Please include documentation.
- The jurisdiction is implementing, and will continue to implement, the diversion programs in its Source Reduction and Recycling Element.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New base year or reporting year diversion tonnage
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. (Note: Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.)

Restricted Waste Type	Specific Program name	New base year or reporting year tonnage	1990 diversion tonnage	Difference
Scrap Metal ▼	Scrap metal recycling - waste audit #9	156	20	136
Scrap Metal ▼	Scrap metal recycling - waste audit #13	0.8	0.19	0.61
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

Attachment 9 - Business Audit Diversion for the City of Duarte

Reference Number	Business Type	Diversion Activity	Material Type	Conversion Factor and Source	Tons
1	City parks	Grasscycling	Grass	71 acres cultivated @ 7.61 tons/acre per CIWMB study	540.31
		Recycling	Wood (Large limbs)	636 cu yards @ 1,080 lbs/cu yard per Tellus	343.44
2	Medical service complex	Reuse	OCC	1,000 small OCC boxes/year @ 1.1 lbs/small OCC box per USEPA	0.55
		Reuse	Wood (Pallets)	130 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	2.60
		Grasscycling	Grass	9.41 acres cultivated @ 7.61 tons/acre per CIWMB study	71.61
		Composting	Yard waste (Grass and leaves)	40 cu yard container picked up 8 times/year @ 108 lbs/cu yard per USEPA	17.28
		Recycling	OCC	2 tons per day to local recyclers (Dalton & others), actual weight	730.00
3	Stable	Recycling	Horse manure	40 cu yard bin emptied 24 times/year @ 1,252 lbs/cu yard per Tellus	600.96
4	Grocery market	Recycling	OCC	468 bales/year @ 1000 lbs/bale, actual weight	234.00
		Composting	Produce organic waste	Actual weight per weight tickets	124.00
		Recycling	Toner cartridges	12 laser cartridges/year @ 1 lb/cartridge, actual weight	0.01
		Recycling	Plastic bags	0.5 lb/recycling container/day, actual weight	0.90
		Donation	Food discards (Bakery)	32 lbs/load/day, actual weight	5.84
		Donation	Food discards (Bananas)	500 lbs/week, actual weight	13.00
		Reuse	Wood (Pallets)	38 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	0.76
		Reuse	Plastic (Pallets)	112 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	2.24
		Recycling	Office paper	5,200 lbs/year, actual weight	2.60
5	Golf course	Grasscycling	Grass	49 acres cultivated @ 7.61 tons/acre per CIWMB study	372.89
6	Retail trade - general merchandise store	Recycling	OCC	520 bales/year @ 1,200 lbs/bale, actual weight	312.00

		Reuse	Wood (Pallets)	438 pallets, each counted only once (376 pallets in delivery system, 62 pallets used internally) @ 40 lbs/pallet per USEPA	8.76
		Donation	Mixed damaged products	7.5 lbs/day, actual weight	1.37
7	Retail trade - general merchandise store	Reuse	Wood (Pallets)	370 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	7.40
		Recycling	OCC	520 bales/year @ 900 lbs per bale, actual weight	234.00
		Recycling	Grease	2 containers/week @ 50 lbs/container, actual weight	2.60
		Recycling	Cans & bottles	3 lbs/recycling container emptied 8 times/year, actual weight	0.01
		Reuse	OCC	250 medium OCC boxes/year @ 2.2 lbs/medium OCC box, per USEPA	0.28
		Donation	Green salvage	3 times per week @ 750 lbs/load, actual weight	58.50
		Recycling - sent back to manufacturer	Broken clay pots	2% of total shipments, actual weight	1.06
		Recycling - sent back to manufacturer	Broken concrete from green garden store	590 items/year @ 17.5 lbs per broken concrete item, actual weight	5.16
8	Paper wholesaler	Recycling	Mixed paper	6 bins/week @ 1000 lbs/bin, actual weight	156.00
		Recycling	Plastic (Cores)	2,184 cores/year @ 3 lbs/core, actual weight	3.28
		Reuse	Wood (Pallets)	100 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	2.00
9	Manufacturer - industrial machinery	Recycling	Scrap metal	156 tons, actual weight minus 20 tons (1990 tonnage)	136.00
		Reuse	OCC	20 medium boxes/week @ 2.2 lbs/medium OCC box per USEPA	1.14
		Reuse	Wood (Pallets)	60 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	1.20
		Recycling	OCC	2000 units/month @ 2 lbs each, recycled	24.00
10	Retail - food store	Recycling	Fat & bones rendering	1,200 lbs/month, actual weight	7.20
		Recycling	OCC & mixed grades	4,000 lbs/week, actual weight	104.00
		Donation	Food (Leftover)	200 lbs/year, actual weight	0.10
		Recycling	Wood (Pallets)	20 pallets/week @ 40 lbs/pallet per USEPA	0.80
11	Retail - general merchandise store	Recycling	OCC	156 bales/year @ 1,400 lbs/bale, actual weight	109.20
		Recycling	Toner cartridge	2 laser cartridges/day @ 2.3 lbs/cartridge, actual weight	0.84
		Recycling	Paper (Catalogs)	800 catalogs/year @ 0.5 lbs/catalog, actual weight	0.20

		Reuse	Wood (Pallets)	30 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	0.60
	Manufacture - swimming pool brush	Recycling	Plastic shavings	2 pick ups per year @ 750 lbs/load, actual weight	0.75
		Reuse	OCC	330 large OCC boxes/year @ 4 lbs/large OCC box per USEPA	0.66
		Reuse	OCC	1,680 medium OCC boxes/year @ 2.2 lbs/medium OCC box per USEPA	1.85
		Reuse	OCC	400 small OCC boxes/year @ 1.1 lbs/small OCC box per USEPA	0.22
		Reuse	Wood (Pallets)	490 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	9.80
	Manufacture - hydraulic hose	Recycling	Cans and bottles	1,100 lbs/year, actual weight	0.55
		Recycling	Scrap metal	1,600 lbs, actual weight minus 372.30 lbs (1990 tonnage)	0.61
		Reuse	Wood (Pallets)	300 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	6.00
		Recycling	Wood (Pallets)	20 pallets/year @ 40 lbs/pallet per USEPA	0.40
14	Distributor - apparel	Reuse	Wood (Pallets)	100 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	2.00
		Recycling	Newspaper	67" stack/week @ 35 lbs per 12" stack, USEPA	5.08
		Recycling	OCC	Local recycler (Allan Co.), actual weight	12.00
		Recycling	Mixed paper	Local recycler (Daiton Co.), actual weight	10.80
		Recycling	Wood (Pallets)	200 pallets/year @ 40 lbs/pallet per USEPA	4.00
	Manufacturer - transportation equipment	Recycling	OCC	10,600 lbs per month, actual weight	63.60
		Reuse	Wood (Pallets)	500 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	10.00
		Reuse	Plastic (Pallets)	40 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	0.80
		Recycling	Office paper	Local recycler, actual weight	2.80
		Donation	Desks	12 desks per year @ 65 lbs/desk, actual weight	0.39
		Recycling	Aluminum cans	375 cans per week @ 0.89 lbs/24 cans per USEPA	0.39
		Recycling	Toner cartridges	60 copier toner cartridges @ 2 lbs/cartridge, actual weight	0.06
16	Retail and services	Recycling	OCC	1,100 lbs/week, actual weight	28.60
		Recycling	Scrap metal	5,000 lbs per load per month, actual weight. This program started in 1992	30.00

		Reuse	Wood (Pallets)	20 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	0.40
		Donation	Chairs	3 chairs/year @ 45 lbs/chair, actual weight	0.07
		Donation	Wood (Executive desks)	2 desks/year @ 246 lbs/desk, actual weight	0.25
17	Distributor - pool supplier	Reuse	Wood (Pallets)	75 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	1.50
18	Body shop	Recycling	Toner cartridges	1 cartridge/month @ 1 lb/cartridge, actual weight	0.01
		Recycling	OCC	1 ton/week, actual weight	52.00
		Recycling	Plastic (Parts)	300 lbs/week, actual weight	7.80
19	Manufacturer	Reuse	Wood (Pallets)	50 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	1.00
		Recycling	Wood (Pallets)	10 pallets/month @ 40 lbs/pallet per USEPA	2.40
20	Retail trade - general merchandise	Recycling	OCC	3 bales/week @ 667 lbs/bale, actual weight	52.03
		Reuse	Wood (Pallets)	150 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	3.00
21	Industrial sales	Recycling	OCC	100 small OCC boxes/month @ 1.1 lb/small OCC box per USEPA	0.66
		Reuse	Wood (Pallets)	100 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	2.00
		Recycling	Aluminum cans	39 gallon recycling drum/month @ 6.63 lbs/ 39 gallons, uncrushed per USEPA	1.55
22	Retail - auto store	Recycling	OCC	150 small OCC boxes/week @ 1.1 lbs/small OCC box per USEPA	4.29
23	Manufacturer - transportation equipment	Recycling	OCC	450 medium OCC boxes/week @ 2.2 lbs/medium OCC box per USEPA	25.74
		Recycling	Wood (Pallets)	25 pallets/month @ 40 lbs/pallet per USEPA	6.00
		Donation	Desks & chairs (sets)	20 sets @ 300 lbs/set, actual weight	3.00
		Recycling	Toner cartridges	240 cartridges/year @ 1.5 lbs/cartridge, actual weight	0.18
24	Food distributor	Recycling	OCC	100 medium OCC boxes/month @ 2.2 lbs/medium OCC, USEPA	1.32
		Reuse	Wood (Pallets)	20 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	0.40

25	Retail - general merchandise	Recycling	OCC	60 medium OCC boxes/week @ 2.2 lbs/medium OCC box per USEPA	3.43
		Recycling	OCC	10 large OCC boxes/week @ 4 lbs/large OCC box per USEPA	1.04
		Reuse	Wood (Pallets)	18 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	0.36
		Reuse	OCC	10 medium OCC boxes/week @ 2.2 lbs/medium OCC box per USEPA	0.57
26	Retail & services - auto	Recycling	Scrap metal	500 lbs/month, actual weight. This program started in 1992	3.00
		Recycling	Aluminum cans	300 cans/week @ 0.89 lbs/24 cans per USEPA	0.29
		Recycling	Toner cartridges	12 cartridges/year @ 2 lbs/cartridge, actual weight	0.01
		Recycling	Tires	24 tires/week @ 20 lbs/tire per USEPA	12.48
27	Auto services	Recycling	Tires	75 tires/2 weeks @ 20 lbs/tire per USEPA	19.50
		Reuse	Wood (Pallets)	2 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	0.04
28	Hotel	Recycling	OCC	5 medium OCC boxes/day @ 2.2 lbs/medium OCC box per USEPA	2.01
		Donation	Televisions	50 televisions/year @ 40 lbs/television, actual weight	1.00
		Recycling	Aluminum cans	30 cans/day @ 0.89 lbs/24 cans per USEPA	0.20
		Recycling	Newspaper	11.6" stack/week @ 35 lbs/12"stack, USEPA	0.88
		Recycling	Phone books	12 phone books/year @ 4 lbs/phone book per USEPA	0.02
29	Retail - hardware	Reuse	Wood (Pallets)	16 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	0.32
		Reuse	Plastic (Pallets)	6 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	0.12
		Recycling	OCC	5 medium OCC boxes/week @ 2.2 lbs/medium OCC box per USEPA	0.29
		Recycling	Aluminum cans	5 lbs/week, actual weight	0.13
30	Manufacturer pool supplies	Reuse	Wood (Pallets)	10 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	0.20
		Reuse	OCC	30 large OCC boxes/month @ 4 lbs/large OCC box per USEPA	0.72
		Recycling	Rubber mixture	20% of total rubber mixture used, actual weight	2.40
31	Food distributor	Reuse	Wood (Pallets)	6 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	0.12
32	Retail & services - auto	Recycling	Scrap metal	1 lb/day, actual weight. This program started in 1994	1.18

	Recycling	OCC	90 medium OCC boxes/week @ 2.2 lbs/medium OCC box per USEPA	5.15
33	Retail - food store	Reuse	8 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	0.16
	Donation	Food (Pallets)	2 loads/year @ 30 lbs/load, actual weight	0.03
	Recycling	Fat & bones (rendering)	22.5 lbs/week, actual weight	0.59
	Recycling	OCC	18 bales/year @ 900 lbs/bale, actual weight	8.10
34	Manufacturer - electronics	Reuse	6 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	0.12
	Recycling	Wood (Pallets)	50 lbs/week, actual weight	1.30
		OCC		
35	Restaurant	Recycling	7,800 lbs/year, actual weight	3.90
		Grease	53 medium OCC boxes/week @ 2.2 lbs/medium OCC box per USEPA	3.03
	Recycling	OCC		
36	Restaurant	Recycling	4 cartridges/year @ 2.5 lbs/cartridge per USEPA	0.01
		Toner cartridges		
37	Restaurant	Recycling	15 gallons/month @ 7.45 lbs/gallon per USEPA	0.67
		Grease		
	Recycling	OCC	10 small OCC boxes/day @ 1.1 lbs/small OCC box per USEPA	2.01
	Reuse	Food	4 lbs/day, actual weight	0.73
		Wood (Pallets)	2 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	0.04
	Reuse			
38	Manufacturer - industrial machinery	Recycling	1,500 lbs per year, actual weight. This program started in 1994	0.90
		Ledger paper	20 reams/year @ 5 lbs/ream per USEPA	0.05
		Wood (Pallets)	50 pallets in delivery system, each counted only once @ 40 lbs/pallet per USEPA	1.00
	Recycling	Wood (Pallets)	100 pallets/year @ 40 lbs/pallet per USEPA	2.00
39	Restaurant	Recycling	150 lbs/month, actual weight	0.90
		Paper	50 lbs/month, actual weight	0.30
	Recycling	Plastic	300 lbs/month, actual weight	1.80
	Recycling	Glass		
40	Manufacturer - electronics	Reuse	15 medium OCC boxes/week @ 2.2 lbs/medium OCC box per USEPA	0.86
		OCC		
41	Convenience store	Recycling	20 boxes/week @ 1 lb/box, actual weight	0.52
		Newspaper		

Total Business Diversion 4,682.13

Additional Entities Surveyed

Reference Number	Entity	Diversion Activity	Material Type	Conversion Factor and Source	Tons
A-1					
A-2					
A-3					